



FIG.

	Sign Bit		Exponent		Fraction		
100	S	0	0	0	0	0	Zero
101	S	0	0	0	0	0	All Zeroes
101	S	0	0	0	0	1	Underflow
102	S	0	0	0	0	0	Denorm
103	S	1	1	1	1	1	Normalized Nonzero
104	S	1	1	1	1	0	Overflow
105	S	1	1	1	1	1	All Zeroes
106	S	1	1	1	1	1	NaN
	msb		lsb/msb		lsb		FIG. 2

Value	s	e . . .	f . . .
310 +∞	0	1 1 1 . . .	0 0 0 . . .
320 -∞	1	1 1 1 . . .	0 0 0 . . .
330 NaN	X	1 1 1 . . .	Not (0 0 0 . . .)
340 +0	0	0 0 0 . . .	0 0 0 . . .
350 -0	1	0 0 0 . . .	0 0 0 . . .
360 $(-1)^{s2e\text{-bias}}(1. \mid f . . .)$	X	Not (0 0 0 . . .) and Not (1 1 . . .)	X
370 $(-1)^{s2e\text{-bias} + 1}(0. \mid f . . .)$	X	0 0 0 . . .	Not (0 0 0 . . .)

X = Don't Care

**FIG. 3 (Prior Art)**